

4/16/2019

Denali Water  
Cindy Duenes  
2001 Key Street  
Colton, CA, 92324

Ref: Analytical Testing  
Report Number: 19-098-0206  
Project Description: EMWD Mo Valley

Dear Cindy Duenes:

Waypoint Analytical Virginia, Inc. received sample(s) on 4/8/2019 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Sub-contracted testing is noted on the Sample Summary Table if applicable.

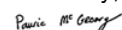
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Pauric McGroary  
Agronomist

*Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.*

Virginia 460014



**Sample Summary Table**

**Report Number:** 19-098-0206

**Client Project Description:** EMWD Mo Valley

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019		
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SM-4500-NH3C	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SM-4500-NH3C-TKN	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	4500NO3F-2011	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	6010D	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SW-7471B	WTN
65780	EMWD Mo Valley	Solids	04/02/2019 13:00	04/08/2019	SM-2540G	WTN

Report Number: 19-098-0206

Account Number: 11035



7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 ° Fax 804-271-6446

www.waypointanalytical.com

Send To: Denali Water  
Cindy Duenes  
2001 Key Street  
Colton , CA 92324

Project : EMWD Mo Valley

Lab Number : 65780

Sample Id : EMWD Mo Valley

## REPORT OF ANALYSIS

Date Sampled: 4/2/2019 13:00:00

Date Received: 04/08/2019 00:00

Date Reported: 04/16/2019

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Solids *	21.40	214000	100.0	CJR	04/09/2019 15:20	SM-2540G
Moisture *	78.60		100.0	CJR	04/09/2019 15:20	SM-2540G
Total Kjeldahl Nitrogen	7.62	76200	250	CLP	04/15/2019 12:30	SM-4500-NH3C-TKN
Phosphorus	1.94	19400	50.0	BKN	04/13/2019 07:18	6010D
Potassium	0.15	1520	50.0	BKN	04/13/2019 07:18	6010D
Sulfur	1.03	10300	50.0	BKN	04/13/2019 07:18	6010D
Calcium	1.83	18300	250	BKN	04/13/2019 07:18	6010D
Magnesium	0.41	4130	50.0	BKN	04/13/2019 07:18	6010D
Sodium	0.09	858	250	BKN	04/13/2019 07:18	6010D
Iron		11200	50.0	BKN	04/13/2019 07:18	6010D
Aluminum		3510	50.0	BKN	04/13/2019 07:18	6010D
Manganese		150	5.00	BKN	04/13/2019 07:18	6010D
Copper		196	2.50	BKN	04/13/2019 07:18	6010D
Zinc		550	12.5	BKN	04/13/2019 07:18	6010D
Ammonia Nitrogen	1.20	12000	100	JPJ	04/15/2019 15:30	SM-4500-NH3C
Organic N	6.42	64200	250		04/15/2019 12:30	CALCULATION
Nitrate+Nitrite-N		29.7	4.88	ZBD	04/15/2019 12:52	4500NO3F-2011

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank H - Beyond Holding Time

A handwritten signature in black ink that reads "Paucic McGroary".

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Paucic McGroary  
Agronomist

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2001 Key Street  
Colton , CA 92324

Project : EMWD Mo Valley

Lab Number : 65780  
Sample Id : EMWD Mo Valley

### REPORT OF ANALYSIS

Date Sampled: 4/2/2019 13:00:00  
Date Received: 04/08/2019 00:00  
Date Reported: 04/16/2019

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Cadmium		<1.00	1.00	BKN	04/13/2019 07:18	6010D
Chromium		21.2	2.50	BKN	04/13/2019 07:18	6010D
Nickel		15.8	2.50	BKN	04/13/2019 07:18	6010D
Lead		4.80	3.00	BKN	04/13/2019 07:18	6010D
Arsenic		<5.00	5.00	BKN	04/13/2019 07:18	6010D
Mercury		0.682	0.0159	TJS	04/11/2019 12:07	SW-7471B
Selenium		<5.00	5.00	BKN	04/13/2019 07:18	6010D
Molybdenum		11.0	2.50	BKN	04/13/2019 07:18	6010D

**Comments:**

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

**B - Analyte detected in blank      H - Beyond Holding Time**

A handwritten signature in black ink that reads "Paucic McGroary".

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Paucic McGroary  
Agronomist

**Cooler Receipt Form**

Customer Number: **11035**  
Customer Name: **Denali Water**  
Report Number: **19-098-0206**

**Shipping Method**

☐ Fed Ex      ☐ US Postal      ☒ Lab      ☐ Other :   
☐ UPS      ☐ Client      ☐ Courier      Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Cooler temperature in compliance?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Water - Sample containers properly preserved	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



SAMPLE KANSAS MAIL FOR CHAIN OF CUSTODY

7621 Whitepine Road Richmond

Submitted By

Denali Water Solutions

3031 Franklin Ave STE A

Riverside, CA 92507

19-098-0206  
11035  
04-08-2019  
14:25:49

Denali Water  
EMWD Mo Valley

j-labs-eastern.com

Copy To

chrisamarks@comcast.net

jsaini@gmail.com

Unit #  
11035

Project

Sample Information																	
Collection Information				Container Information				Please Check Desired Tests									
Sample ID	Lab Number (Lab Use Only)	Type	Date	Time	Number of Bottles	Type	Volume	SL1	SL2	503 Metals	Nitrogen Series	pH	CCE	Ag	Cl	Volatile Solids	Test Package
EMWD San Jacinto		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	4/2/2019	1200	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz pint qt										SLSOSO & f
EMWD Mo Valley	45780	<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	4/2/2019	1300	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz pint qt										SLSOSO & f
		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite				<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz pint qt										SLSOSO & f
		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite				<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz pint qt										SLSOSO & f
Relinquished By: (Signature)		Date	Time	Received By: (Signature)				Date	Time								
Joel Santos (signature)		4/2/2019	1500														
Fede		4/8/19															

Test Package Details	Special Instructions or Remarks
SL1: Total Solids (Moisture) Total Kjeldahl Nitrogen, Phosphorus and Potassium SL2: Basic Test SL1 plus Sulfur, Calcium, Magnesium, Sodium, Iron, Aluminum, Manganese, Copper And Zinc 503 Metals: Arsenic, Cadmium, Chromium, Mercury, Molybdenum, Lead, Nickel, Selenium, (Copper & Zinc included in SL2) Nitrogen Series: Total Kjeldahl, Ammonium, Nitrate & Organic Nitrogen CCE: Calcium Carbonate Equivalent or Total neutralization Value (For Lime Treated Sludge)	Color - No ice put in at all